

**ABSTRACT**

One embodiment of a method may include partitioning data into segments of the data, storing in memory a set of checksums of the segments of the data, selecting a  
5 portion of the data, and determining a checksum of the portion of the data. The portion of the data may comprise a subset of the segments of the data and/or at least one part of at least one segment of the data. The checksum of the portion of the data may be determined, based, at least in part, upon a checksum of the subset of the segments and/or a checksum of the at least one part of the at least one segment. The checksum of the  
10 subset of the segments may be based, at least in part, upon respective checksums, read from the checksums stored in the memory, of segments of the data comprised in the subset of the segments.